

Converting Colors

$Y_{xy}(72.6889, 0.3090, 0.5904)$

Have a look what the booklet for
Yxy(72.6889, 0.3090, 0.5904)
contains.

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Color

Yxy(72.7048, 0.3092, 0.5904)

Conversions

Conversions Part 1

Format	Color
Hex	42FF0C
RGB	66, 255, 12
RGB Percent	26%, 100%, 5%
CMY	0.7408, 0.0000, 0.9541
CMYK	0.74, 0.00, 0.95, 0.00
HSL	107°, 100%, 52%
HSV	107°, 95%, 100%
XYZ	38.0764, 72.7048, 12.3638
YIQ	170.7870, -34.6410, -115.6410

Conversions

Conversions Part 2

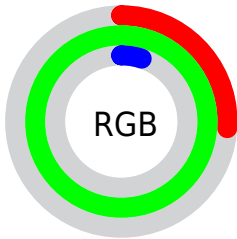
Format	Color
RYB	12, 255, 201
Decimal	4390668
CIELab	88.31, -81.01, 82.99
CIELCh	88, 115.974, 134.308
Yxy	72.7048, 0.3092, 0.5904
Android (android.graphics.Color)	4282580748 (0xFF42FF0C)
YUV	170.7870, -78.2820, -91.8982
Hunter-Lab	85.2671, -69.5074, 51.0899

Details

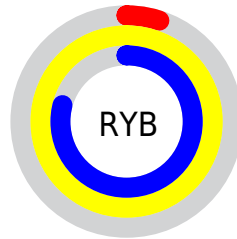
The Yxy color **72.7048, 0.3092, 0.5904** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **19.8381, 0.2665, 0.1254**, and the grayscale version is **41.0239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0970, 0.3257, 0.5193**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.3903, 0.3074, 0.5942**, and if you desaturate by 10%, it is **73.6284, 0.3133, 0.5778**.

Distribution



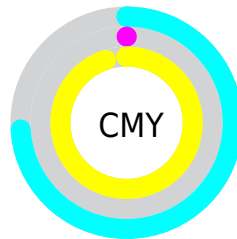
- Red (26%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (79%)



- Cyan (74%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)




- Cyan (74%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7048, 0.3092, 0.5904 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 72.7048, 0.3092, 0.5904 by changing the saturation by 10% instead.


 72.7048, 0.3092,
0.5904

 72.7048, 0.3092,
0.5904

469.9911, 0.3237,
0.4621

 53.7346, 0.3020,
0.6189


 123.0580, 0.3173,
0.5459


 38.3895, 0.2911,
0.6527


 155.2099, 0.3196,
0.5285


 26.2852, 0.2745,
0.6926


 192.5244, 0.3211,
0.5134

 17.0371, 0.2518,
0.7473

 235.3860, 0.3221,
0.5004

 10.2609, 0.2100,
0.7900

 284.1791, 0.3228,
0.4890

 5.5723, 0.1536,
0.8464


 339.2880, 0.3233,


 2.5868, 0.0000,


0.4789


1.0000


401.0972, 0.3236,
0.4700


 0.9200, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.7048, 0.3092,
0.5904

 72.7048, 0.3092,
0.5904


 72.3903, 0.3074,
0.5942

 73.6284, 0.3133,
0.5778


 74.9211, 0.3167,
0.5576

 76.6252, 0.3191,
0.5309


 78.7745, 0.3204,
0.4997

 81.3991, 0.3205,
0.4661

 84.5263, 0.3197,
0.4323

 88.1813, 0.3182,
0.3999

 92.3876, 0.3162,
0.3698

 97.1671, 0.3140,
0.3425

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7048, 0.4245, 0.5442



72.7048, 0.3092, 0.5904



72.7048, 0.2002, 0.4959

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7048, 0.3092, 0.5904



72.7048, 0.1195, 0.1562



72.7048, 0.5299, 0.2855

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



72.7048, 0.3092, 0.5904



19.8381, 0.2665, 0.1254

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7048, 0.4008, 0.2168



72.7048, 0.3092, 0.5904



72.7048, 0.1679, 0.1467

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7048, 0.3092, 0.5904



72.7048, 0.1065, 0.2067



72.7048, 0.2621, 0.1678



72.7048, 0.5723, 0.3622

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7048, 0.3092, 0.5904



72.7048, 0.1473, 0.3782



72.7048, 0.2621, 0.1678



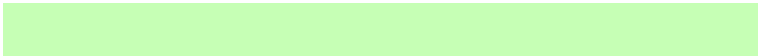
72.7048, 0.4935, 0.2613

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



72.7075, 0.3092, 0.5904



86.8076, 0.3188, 0.4113



61.7792, 0.4651, 0.4668



18.2503, 0.3194, 0.4252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7075, 0.3092, 0.5904



72.3903, 0.3074, 0.5942



72.1259, 0.2903, 0.5623



20.3639, 0.3149, 0.3533



37.8792, 0.3082, 0.5935



3.7341, 0.3155, 0.5877

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.8381, 0.2665, 0.1254



19.2239, 0.2638, 0.1227



25.2387, 0.3993, 0.1989



18.0835, 0.3102, 0.3053



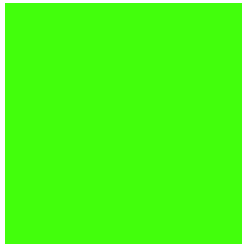
10.1143, 0.2648, 0.1232



1.0327, 0.2714, 0.1269

Previews

White Background



This preview shows how the Yxy color 72.7048, 0.3092, 0.5904 looks on a white background.

Color Contrast Check

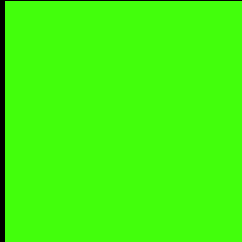
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 72.7048, 0.3092, 0.5904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

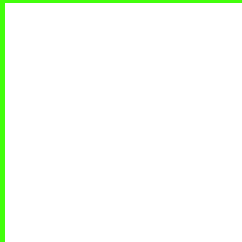
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7048, 0.3092, 0.5904

Background



This preview shows how black text looks on a background with the Yxy color 72.7048, 0.3092, 0.5904.



This preview shows how white text looks on a background with the Yxy color 72.7048, 0.3092, 0.5904.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.7048, 0.3092, 0.5904

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

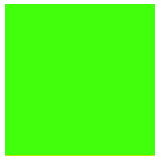
71.0184, 0.3916, 0.3948



Tritanopia

71.8001, 0.2431, 0.3066

Trichromacy



Original Color

72.7048, 0.3092, 0.5904



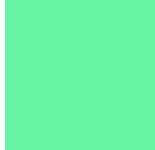
Protanomaly

68.1103, 0.3795, 0.5361



Deuteranomaly

66.8268, 0.3611, 0.4803



Tritanomaly

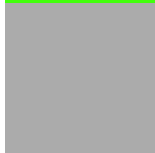
69.8945, 0.2761, 0.4303

Monochromacy



Original Color

72.7048, 0.3092, 0.5904



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.4199, 0.3205, 0.4595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7048, 0.3092, 0.5904 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(66, 255, 12)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 12)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(66, 255, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 12) }
```

Border

The CSS property to change the border of an element to Yxy 72.7048, 0.3092, 0.5904 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 255, 12) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(66, 255, 12) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(66, 255, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 12);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7048, 0.3092, 0.5904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 12) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(66, 255,  
12) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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